



# an invitation to the workshop “DEEP OCEAN CABLED OBSERVATORIES”



Cabled observatories provide marine scientists with a large number of opportunities previously completely unavailable. In this workshop, taking place in **NIKHEF, Amsterdam** (the Netherlands) on the **24<sup>th</sup> and 25<sup>th</sup> of May 2012**, marine scientists (geoscientists, biologists, oceanographers, etc) and astroparticle physicists will jointly discuss current and future research options using deep ocean cabled observatories, the future of ocean research.

Some of the current cabled observatories were constructed specifically for ocean research. Others, such as the three pilot neutrino detectors - [ANTARES](#), [NEMO](#) and [NESTOR](#) - in the Mediterranean deep sea, have been built by astroparticle physicists in order to search for cosmic neutrinos.

In both cases, these observatories have led to major scientific breakthroughs in their respective fields, some of which are summarised in a recent report produced by [ASPERA](#) entitled “**From the Geosphere to the Cosmos**” (<http://issuu.com/bebashibby/docs/asperasynergies>).

Just before the start of construction of the first phase of [KM<sub>3</sub>NeT](#), the cubic-kilometre sized neutrino detector in the Mediterranean sea (an ESFRI infrastructure), [ASPERA](#) considered it vital to open the floor for extensive discussions amongst scientists from different disciplines, all working around deep sea cabled observatories.

The first day of the workshop will be dedicated to current research that uses the cabled detectors in the Mediterranean, but also to the global perspective, to research carried out in cabled observatories in Canada and the United States. The second day is dedicated to the future. What scientific questions could be answered thanks to collaborations around cabled observatories in the Mediterranean and beyond?

Event overview: <https://indico.cern.ch/conferenceDisplay.py?ovw=True&confId=165389>

Program: <https://indico.cern.ch/conferenceTimeTable.py?confId=165389#20120524>

Registration (the workshop is **free to attend but registration is necessary**):  
<https://indico.cern.ch/confRegistrationFormDisplay.py/display?confId=165389>

Venue, Social program and accommodation:  
<https://indico.cern.ch/internalPage.py?pageId=0&confId=165389>

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